

GRUNDIG

VIDEORECORDER

GV 29 VPS/5

DEUTSCH

ENGLISH

ČESKY

MAGYAR

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VIDEO RECORDER GV 29 VPS/5 _____

Special features of your video recorder

Two recording options:

- Right away, that is you select the desired programme on the video recorder then start recording.
- At a later time by entering the data for the desired TV programme.

High-speed drive

With this high-speed drive the fast rewind time of, for example, of an E-180 cassette is reduced to about 100 seconds.

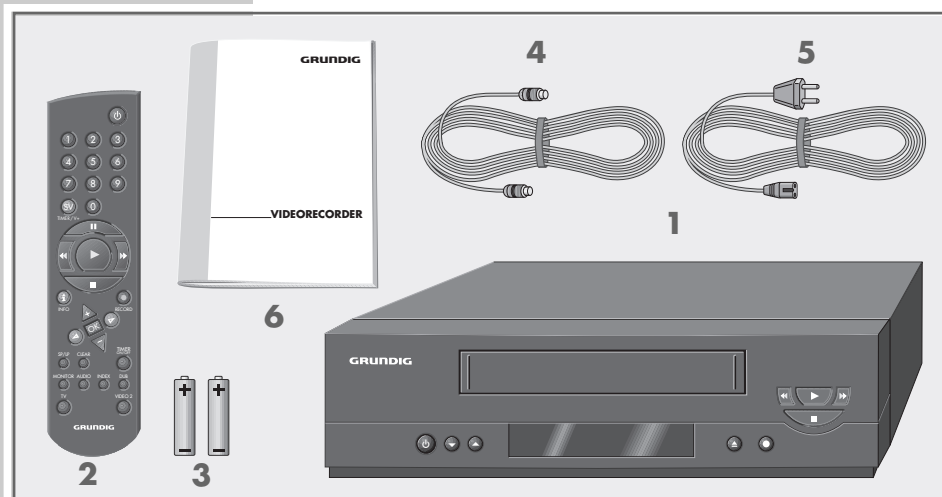
Energy-saver mode

Very low energy consumption in standby mode.
The consumption lies below 2 W.

NTSC playback

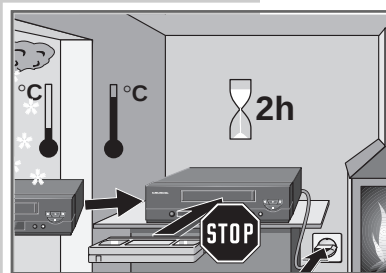
The video recorder enables playback of recordings made with the NTSC colour norm.

Contents of delivery



- 1 Video recorder GV 29 VPS/5
- 2 Remote control
- 3 2 batteries, 1.5 V-, Mignon type
- 4 RF (aerial) connection cable
- 5 Mains cable
- 6 User manual

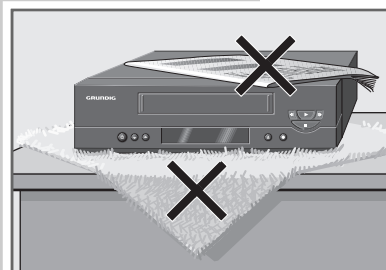
INSTALLATION AND SAFETY



In order that you may enjoy this high-quality and comfortable video recorder for a long time it is very important that you observe the following points when installing the recorder.

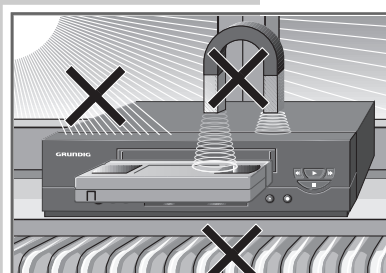
This video recorder is intended for the reception, recording and reproduction of TV picture and sound signals.

Any other application is expressly prohibited.



If the recorder is exposed to drastic temperature changes, for example when taking it from a cold to a warm place, connect the recorder to the mains supply and let it stand at the new place for at least two hours without a cassette loaded. The recorder is intended for use in dry rooms. If you wish to operate it in the open air, make absolutely sure that it is protected against moisture (rain, splashes of water). Do not expose the recorder or the cassette to any moisture.

Place the recorder on a flat and hard surface. Do not place any objects (e.g. newspapers) on the recorder and no tablecloth or similar below the recorder.



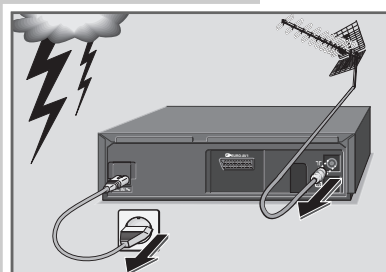
Do not place the recorder in the immediate vicinity of a heat source or in direct sunlight as this would prevent appropriate cooling. Keep the recorder away from magnetic fields (e.g. loudspeakers).

Never insert any foreign objects into the cassette compartment. This might damage the high-value mechanism.

Never open the recorder. Damage caused by unqualified work is not covered by the manufacturer's guarantee.



Do not place any object filled with water (vases and similar) on the recorder. The object might fall over and the liquid spilling into the unit would impair its electrical safety.



Thunderstorms are a danger for any electrical appliance. Even when switched off, the recorder might be damaged by lightning striking the mains supply and/or the aerial lead. During a thunderstorm you must always disconnect the mains and aerial plugs.

For this video recorder, technology and ecology form a convincing overall idea. Only ecologically high-grade materials are used. The packing consist of almost 100% recycled paper, its plastic parts have been reduced to a minimum. The batteries supplied are free of mercury and cadmium. For environmental reasons no buffer battery is used. To enable a high-grade recycling after use, the number of plastic parts has consequently been reduced. All large plastic parts are marked. To facilitate service and for optimum recycling, this device has been designed in a specially disassembly-friendly and recycling-friendly way.



AT A GLANCE

Front side of the video recorder



Switches the video recorder off.



Selects programmes downwards.



Selects programmes upwards.



Ejects the cassette.



Starts recording.



During playback: reverse picture search;
after stop: fast rewind.



Starts playback.



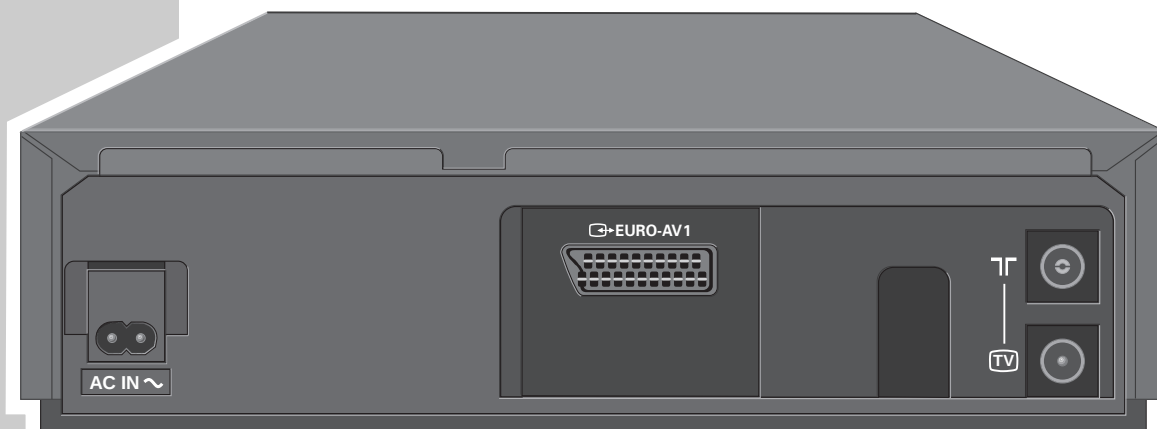
During playback: forward picture search;
after stop: fast forward wind.



Ends all drive mechanism functions.

AT A GLANCE

Rear side of the video recorder



AC IN ~

Socket for mains cable to mains supply socket.

 **EURO-AV 1**

Euro/AV connector (for TV set).



Aerial socket (for domestic aerial).

 **TV**

Aerial socket (for TV set).

The remote control

On this page you will find a brief description of the important remote control functions. Refer to the corresponding chapters of this manual for more information on operation.

Direct the remote control at the video recorder.



Switches the video recorder off (standby).

1 ... 0

Numeric buttons for various entries ,
the » 0 « button selects the » *P 1* « programme position.

SV
TIMER/V+

No function.



Pause in recording mode, freeze-frame in playback mode.



Reverse picture search during playback,
fast rewind after stop.



Starts playback.



Forward picture search during playback,
fast forward after stop.



Ends all drive mechanism functions and switches the video recorder to "stop".

i INFO

Switches to the menu and back to the TV picture.

● RECORD

Starts recording.



Select channels, » + « up, » - « down;
select various functions in the menus.

OK

Calls up, confirms and stores data.



Finetuning;
select various functions in the menus.

TIMER
ON/OFF

Activates and de-activates programmed recording.

SP/LP

Switches between longplay mode and standard play mode.

CLEAR

Clears data, activates entries, resets the playing time display to » 0:00:00 «.

MONITOR

No function.

AUDIO

No function.

INDEX

Activates the INDEX search function.

DUB

Activates the setting for the output channel of the video recorder.

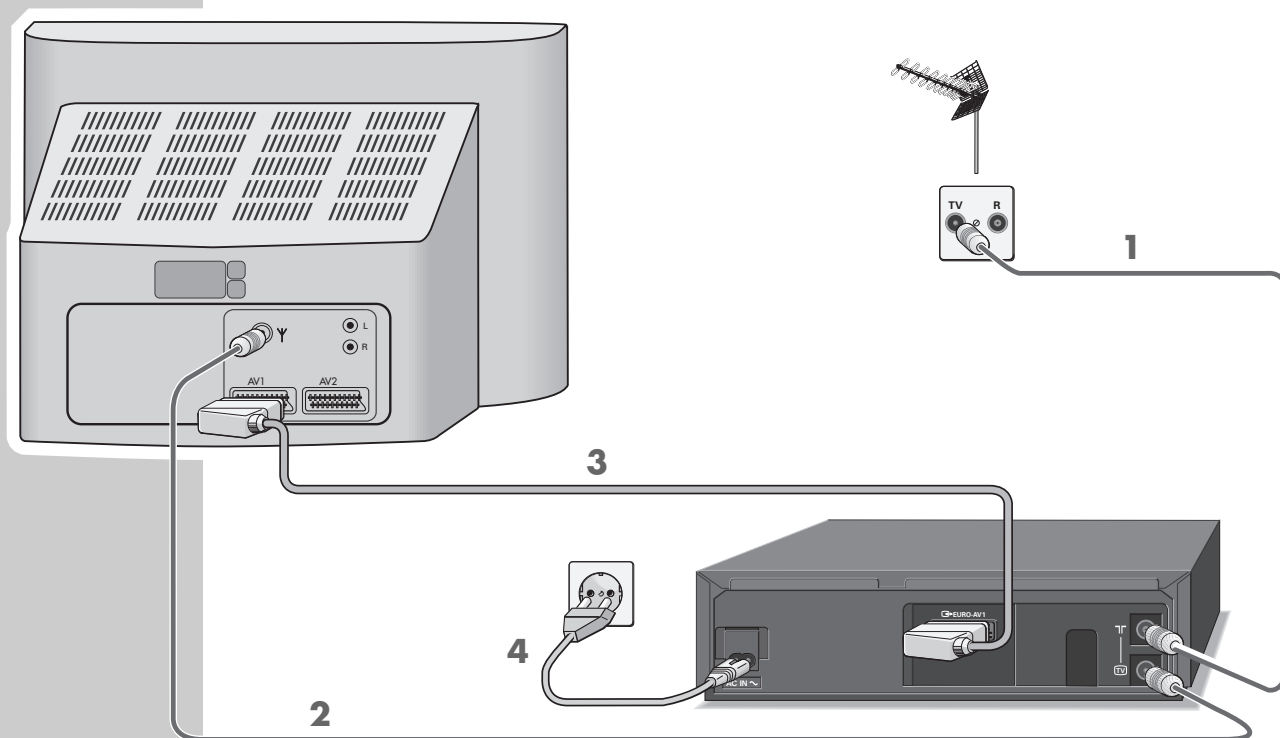
VIDEO 2

Switches to the video control address 2.

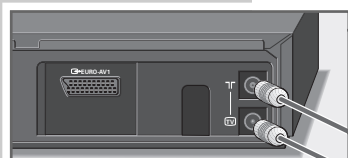
TV

Switches to TV control mode.
See page 30 for the possible functions.

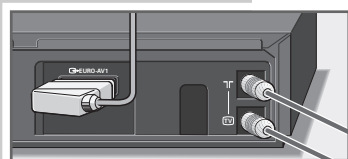
CONNECTING AND PREPARATION



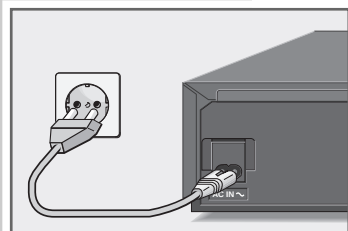
Connecting the aerial, TV set and mains cable



1 Connect the aerial cable from the domestic aerial with the aerial socket »« of the video recorder.



2 Connect the aerial cable supplied with the »TV« socket of the video recorder and the aerial socket of the TV set.



3 If the TV set is equipped with one or several EURO-AV sockets:
connect the »EURO-AV 1« socket of the video recorder with the AV 1 socket of the TV set using a commercially available EURO-AV cable.
– The advantage of this connection is a better picture and sound quality during playback.

4 Connect the mains cable supplied with the »AC IN ~« socket of the video recorder.
Connect the mains cable with the mains supply socket.
– The video recorder is now in standby.

Attention:

The video recorder is isolated from the mains only when the mains cable is disconnected from the mains supply socket.

Switching the video recorder on and off (energy-saver mode)

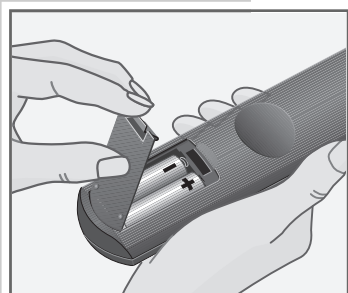
- 1 Switch the video recorder on with the »▽« button.
- 2 Switch the video recorder to standby with the »⏻« button.
 - The video recorder is now in standby and the time is visible in the display.
- 3 Switch off by pressing the »⏻« button until the display goes out.
 - The video recorder is now switched off, the power consumption falls below 2W. The green energy-saver indicator illuminates.

Notes:

The video recorder cannot be switched off if recordings are programmed.

It is not allowed to switch the video recorder in the energy-saver mode if you wish to watch a TV programme which is received via the aerial cable from the video recorder on the TV set.

Inserting batteries into the remote control



- 1 Press the catch and remove the cover from the battery compartment.
- 2 Insert the batteries (Mignon type, e.g. UM-3 or AA, 2 x 1.5 V). Observe the polarity marks on the bottom of the battery compartment.

Note:

If your recorder no longer responds correctly to the remote control commands, the batteries may be exhausted. Exhausted batteries must be removed. The manufacturer cannot be held responsible for damage resulting from battery leakage.

Environmental protection

The remote control batteries, even those containing no heavy metals, do not belong in the household waste. Used batteries can be disposed of for recycling at most specialized dealers without paying a fee.

Adjusting the TV set to the video recorder

This adjustment is not necessary if the video recorder and the TV set are connected with a EURO-AV cable.

Preparation

Switch the TV set on.

On the TV set, select the »AV« programme position for video playback via the aerial socket.

Consult also the user manual of your TV set.

Adjustment

- 1 Switch the video recorder on using the »▽« button.
- 2 Press the »**DUB**« button for about 3 seconds.
 - »21 RF«, for example, is displayed on the video recorder (21 is the output channel of the video recorder).
 - The video recorder now emits a test pattern.
- 3 Search the test pattern on the TV set in the UHF range on a channel between 21 and 69 (channel 21 in the example).
- 4 Store the setting on the TV set.
- 5 Press the »**DUB**« button to end the setting.

Improving the picture quality

If the quality of the "recorder picture" is poor, or the picture quality of one or more TV programmes on the TV set gets worse, you must search a different "free" channel on the TV set.

- 1 Switch the video recorder on using the »▽« button.
- 2 Press the »**DUB**« button for about 3 seconds.
 - »21 RF«, for example, is displayed on the video recorder (21 is the output channel of the video recorder).
 - The video recorder now emits a test pattern.
- 3 On the TV set in the UHF range between channel 21 and channel 69, search for a "free" channel on which no TV programme is received (only snow and sound noise).
- 4 Use the »▽« »▲« buttons on the video recorder to change the output channel of the video recorder until the test pattern appears on the picture screen of the TV set.
Press the »**OK**« button to store the setting.
- 5 Store the channel on the TV set.
- 6 Press the »**DUB**« button to end the setting.

Channel programming with the automatic tuning system ATS euro plus

The recorder has a built-in receiver. It can therefore receive and record television programmes independently of the TV set.

For this, you must programme the TV channels on the video recorder.

When carrying out this function, the time is automatically updated, provided a TV programme with teletext is received on programme position 1.

88 programme positions are available which can be assigned as desired to TV channels received via the aerial or the cable system.

Preparation

Switch the TV set on.

Select the »AV« programme position for video playback on the TV set.

Programming

- 1 Press the »« button.
 - The »AUTO INSTALLATION« table appears on the picture screen of the TV set.

Help:

If the »AUTO INSTALLATION« table does not appear, press the »« and »« buttons on the video recorder at the same time until the table appears.

- 2 Initiate programming with the »OK« button.
 - The »LANGUAGE« table appears on the picture screen.
- 3 Use the »   « buttons to select the desired language.
- 4 Press the »OK« button to start the automatic tuning system.
 - »AUTO« flashes in the video recorder's display.
 - The recorder searches all channel numbers for TV stations, then sorts and stores them. This can take several minutes.
 - When the search is completed, the message »AUTO-SETUP COMPLETED!« and the number of the output channel appear on the picture screen.
 - »OK« appears in the video recorder's display.

Note:

If the video recorder and the TV set are not connected with a EURO-AV cable, you must repeat the setting on page 11 and tune the TV set to the channel (e.g. »*CH 27*«) indicated in the table.

AUTO INSTALLATION
PRESS OK KEY TO START.
AUTOMATISCHE EINSTELLUNG
ZUM START DIE OK TASTE
DRUCKEN.

OK :ENTER INFO:EXIT

LANGUAGE
ENGLISH DENMARK
DEUTSCH SVENSKA
FRANÇAIS FINLAND
ITALIANO ESPANOL
NEDERLANDS PORTUGUESE

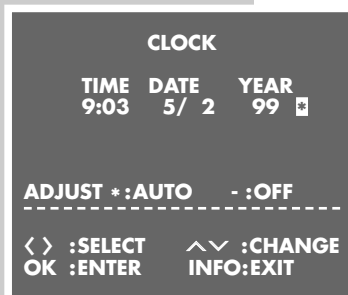
< > ^ v :SELECT
OK :ENTER INFO:EXIT

AUTOMATIC SORTING
PLEASE WAIT

INFO:EXIT

AUTO-SETUP COMPLETED!
VCR OUTPUT CHANNEL
WILL CHANGE TO CH 27.

OK :ENTER INFO:EXIT



- 5 Press the »OK« button.
– The »CLOCK« table appears on the picture screen.
Check the time and the date.

Note:

If the time has not been updated automatically, it must be set manually, see chapter "Setting the Time and Date" on page 27.

- 6 Press the »OK« button to end the setting.

Note:

Further settings such as manual channel search, changing the order of the channels at a later date, clearing TV channels from the station table, or assigning station names, are described from page 23 on.

PLAYBACK

Basic playback functions

Preparation

Switch the TV set on.

Select the »AV« programme position for video playback on the TV set.

Insert a recorded cassette with its window up into the cassette compartment until it is automatically pulled in.

– The cassette symbol »  « appears in the display of the recorder.



- 1 Start playback with the »▶« button.
 - In the video recorder's display appear briefly the remaining playing time, then the total cassette playing time in hours, minutes and seconds.

Note:

The remaining playing time of the cassette is only indicated for the E-60, E-120, E-180 and E-240 cassettes. With other cassettes, the display shows »-:--«.

- 2 Use the »||« button to switch to freeze-frame*/pause.
Press repeatedly to advance the freeze-frame step by step.
- 3 Press the »◀◀« button during playback to select reverse picture search.
Press the »▶▶« button during playback to select forward picture search.
- 4 End playback with the »■« button.
- 5 Select fast rewind with the »◀◀« button, fast forward wind with the »▶▶« button.
- 6 Press the »▲« button on the video recorder to eject the cassette.

Notes:

After starting playback, the video heads are automatically cleaned.

Pressing the »CLEAR« button resets the tape length indicator to »0:00:00«.

The freeze-frame function is automatically switched off after some time.

* Freeze-frame with interference bars.

Additional playback functions

Advancing freeze-frames step by step



- 1 During freeze-frame (playback-pause): repeatedly press the » II « button.
- 2 Press the » ► « button to return to normal playback.

Improving the picture of a freeze-frame

If the picture jitters or appears uneven during the freeze-frame function, it can be optimized.



- 1 During the freeze-frame function (playback-pause), use the » ▲ « or » ▼ « button to adjust the picture to suit your personal taste.
- 2 Press the » ► « button to return to normal playback.

Correcting picture interference (track adjustment)



- 1 During playback, use the » ▲ « or » ▼ « button to adjust the picture to suit your personal taste.
– This setting is maintained until the cassette is removed.

Automatic picture improvement (ACC Plus)

Cassettes recorded on another video recorder may have a poor picture and/or sound quality. This is not a fault of your recorder!



- 1 Press the » ⏻ « button on the video recorder during playback. The automatic picture improvement function (ACC Plus) optimizes the picture.

Playing back NTSC colour norm recordings

When playing back NTSC recordings, the video recorder switches automatically to this system, recognizes the tape speed and selects automatically this speed.

Note:

During NTSC playback, no freeze-frame function is possible.

Continuous playback

When this function is activated, the video recorder winds the tape back automatically as soon as the tape end is reached and starts playback again.



- 1 Start playback with the » ► « button.
- 2 Press the » ► « button and the » ◀◀ « button on the video recorder at the same time.
- 3 Press the » ■ « button to end continuous play.

Two recording options:

Your recorder provides you with two different recording options:

- 1** Instant recording, that is, you select the desired programme on the video recorder and start immediately the recording.
- 2** At a later time by entering the data for the desired TV programme. You can enter the recording data for six broadcasts over a period of one year, or for daily or weekly recordings at the same time. The Video Programme System (VPS) ensures the complete recording of your favourite programmes through the control by the TV stations.

The video programme system (VPS/PDC)

If your programmed recordings are controlled via this system, the desired programme will always be recorded completely.

Notes on the video programme system

Many TV stations broadcast an additional programme-related (VPS/PDC) signal which indicates the start and duration of each individual TV programme. It is therefore important when programming the recorder to enter the switch-on and switch-off times to the exact minute.

If TV programmes are altered or moved, special VPS/PDC times are indicated in the programme guides. They must be entered instead of the normal starting times.

TV programmes without VPS/PDC signal

With TV stations that do not transmit a VPS/PDC signal, recording is only started by the switch-on time and ended by the switch-off time.

This does not depend on whether the VPS/PDC signal is confirmed or cleared when programming recordings.

Programming several TV programmes on one day

If you wish to record several TV programmes on one day, you must decide which one is to be recorded completely if there is a risk of alterations to timing.

Instant recording

Preparation

Switch the TV set on.

Select the »AV« programme position for video playback on the TV set.

Insert a cassette with sufficient playing time and intact erase tab (cassette not erase-protected) into the cassette compartment until it is fully pulled in.

– The cassette symbol »« appears in the recorder's display.



Control

1 Before starting recording, select the desired channel with the » « or » « or »**0...9**« buttons.

2 If you wish to select the longplay mode, press the »**SP/LP**« button.
– »**LP**« is displayed on the recorder.

3 Start recording by a longer pressure on the »**● RECORD**« button.

Note:

Entering the switch-off time: press the »**● RECORD**« button then use the »**● RECORD**« button to enter the switch-off time in steps of 30 minutes, or use the » « buttons to enter the switch-off time in steps of one minute.

4 Select recording-pause with the »**||**« button.

5 End the recording with the »**■**« button.

6 Select fast rewind with the »« button, fast forward wind with the »« button.

7 Press the »« button on the video recorder to eject the cassette.

Note:

The tape length indicator can be set to »**0:00:00**« by pressing the »**CLEAR**« button.



Assembling recordings with clean joints

With this function you will have no disturbing transitions between the individual recordings during playback.

- 1 During playback, locate the end of the picture scene at which you wish to join the new recording. Press the »■|« button at this tape position.
- 2 Switch the recorder to recording-pause by pressing the »● **RECORD**« button a longer time.
- 3 Enter the desired programme position number with one or two digits using the »0 ... 9« buttons then start the new recording by pressing the »● **RECORD**« button a longer time.
- 4 End the recording with the »■|« button.

Locating certain recordings using the Video Index Search System (VISS)

With this system you may find the beginning of every recording in a precise and fast way. The "marks" required for this are automatically placed at the beginning of each recording.

Preparation

Switch the TV set on.

Select the »AV« programme position for video playback on the TV set.

Insert the cassette.

Control

- 1 Press the »**INDEX**« button.
- 2 Use the »◀◀« or »▶▶« button to locate the previous or next recording.
 - The tape is wound to the selected recording and playback is started there.

Programmed recording – by entering the data for the desired TV programme

Notes:

The time and date must correctly be set on the recorder.

If the message »PROGRAM FULL« appears on the picture screen, all programmed recording positions (TIMER positions) are occupied. In this case, you must clear one position, refer to "Clearing programmed recording data" on page 21.

Programming can be aborted at any time by pressing the »**i** INFO« button.

Preparation

Switch the TV set on.

Select the »AV« programme position for video playback on the TV set.

Insert a cassette with sufficient playing time and intact erase tab (cassette not erase-protected) into the cassette compartment until it is fully pulled in.

If a cassette is already inserted, switch on with the »**▽**« button.

If the recorder is in recording standby mode, de-activate this mode with the »**TIMER ON/OFF**« button.

Example

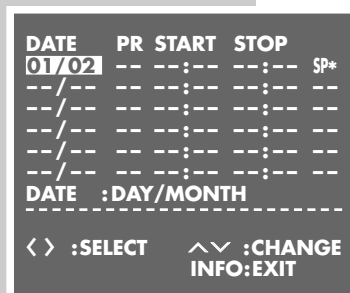
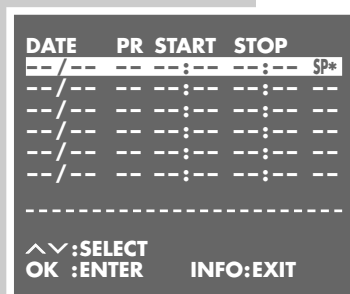
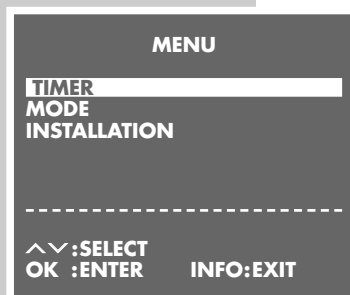
- 1 Start programming with the »**i** INFO« button.
– The main menu appears on the picture screen.
- 2 Activate the »TIMER« line with the »**OK**« button.
– The »TIMER« table appears on the picture screen.
- 3 Start the data entry with the »**OK**« button.
– The current date is displayed.
- 4 Set the date (DATE) using the »**△**« or »**▽**« button.
Confirm with the »**▶**« button.

Notes:

If the programme is to be recorded "daily" or "weekly" at the same time, use the »**△**« or »**▽**« button to select »D« (daily) or »W« (weekly).

– The "daily" function cannot be used for recordings on Saturdays or Sundays.

Confirm with the »**▶**« button.



RECORDING

```

DATE  PR  START  STOP
01/02 02  --:--  --:--  SP*
--/--  --  --:--  --:--  --
--/--  --  --:--  --:--  --
--/--  --  --:--  --:--  --
--/--  --  --:--  --:--  --
PR: ZDF
-----
<> :SELECT  ^v :CHANGE
                INFO:EXIT
    
```

- 5 Change the programme position (PR) with the » Δ « or » ∇ « button then confirm with the » $\odot$ « button.

Notes:

If you wish to record the picture/sound signal from an external device instead of the TV programme, you must select the »PR« indication using the » $\odot$ « button then select the programme position »AV 1« using the » Δ « or » ∇ « button.

```

DATE  PR  START  STOP
01/02 02  12:--  --:--  SP*
--/--  --  --:--  --:--  --
--/--  --  --:--  --:--  --
--/--  --  --:--  --:--  --
--/--  --  --:--  --:--  --
-----
<> :SELECT  ^v :CHANGE
                INFO:EXIT
    
```

- 6 Set the switch-on time (START) as follows: enter the hours with the » Δ « or » ∇ « button then press the » $\odot$ « button, then enter the minutes with the » Δ « or » ∇ « button.
Confirm the setting with the » $\odot$ « button.

- 7 Set the switch-off time (STOP) as follows: enter the hours with the » Δ « or » ∇ « button then press the » $\odot$ « button, then enter the minutes with the » Δ « or » ∇ « button.
Confirm the setting with the » $\odot$ « button.

```

DATE  PR  START  STOP
01/02 02  19:30  20:15  SP*
--/--  --  --:--  --:--  --
--/--  --  --:--  --:--  --
--/--  --  --:--  --:--  --
--/--  --  --:--  --:--  --
SP: SP  LP: LP  A: AUTO
-----
<> :SELECT  ^v :CHANGE
OK :ENTER    INFO:EXIT
    
```

- 8 Select the tape speed (if desired): use the » $\odot$ « button to select the »SP« indication then use the » Δ « or » ∇ « button to select:
»SP« standard play mode;
»LP« longplay mode;
»A« automatic mode.

In automatic mode the video recorder compares the remaining playing time with the length of the TIMER recording and selects automatically the longplay mode, if necessary.

Note:

For TIMER recordings with VPS/PDC the automatic mode is not possible.

- 9 If you wish to use the VPS/PDC control, select the »*« indication with the » $\odot$ « button then use the » Δ « or » ∇ « button to activate VPS.
– »*« means recording with VPS.

```

DATE  PR  START  STOP
01/02 02  19:30  20:15  SP*
--/--  --  --:--  --:--  --
--/--  --  --:--  --:--  --
--/--  --  --:--  --:--  --
--/--  --  --:--  --:--  --
VPS/PDC *:ON  -:OFF
-----
<> :SELECT  ^v :CHANGE
OK :ENTER    INFO:EXIT
    
```

- 10 Store the recording data with the »OK« button.
– To programme further recordings, repeat the procedure from step 1.
- 11 Press the »TIMER ON/OFF« button to switch the recorder to recording standby.
– The time is displayed on the recorder and the TIMER indicator » $\square$ « is lit.
The video recorder is in recording standby mode.

Help:

In order that the video recorder can carry out the programmed recording, it must be switched in the recording standby mode with the »TIMER ON/OFF« button. The illuminated TIMER indicator » $\square$ « indicates this mode.

Checking and clearing programmed recording data

Preparation

Switch the TV set on.

Select the »AV« programme position for video playback on the TV set.

Checking programmed recording data

- 1 If recording standby is activated, press the »**TIMER ON/OFF**« button.
- 2 Press the »« button.
–The video recorder is switched on.
- 3 Press the »**i INFO**« button to display the main menu.
- 4 Activate the »TIMER« line with the »**OK**« button.
– The »TIMER« table appears on the picture screen.
– Check the recording data.
- 5 Press the »**i INFO**« button to exit the »TIMER« table.
- 6 Press the »**TIMER ON/OFF**« button to switch the recorder to recording standby.
– The time is displayed on the recorder and the TIMER indicator »« is lit.
The video recorder is in recording standby mode.

DATE	PR	START	STOP	SP*
01/02	02	19:30	20:15	SP*
--/--	--	--:--	--:--	--
--/--	--	--:--	--:--	--
--/--	--	--:--	--:--	--
--/--	--	--:--	--:--	--
--/--	--	--:--	--:--	--

< > :SELECT				
OK :ENTER INFO:EXIT				

DATE	PR	START	STOP	SP*
01/02	02	19:30	20:15	SP*
01/02	04	21:30	22:00	SP*
--/--	--	--:--	--:--	--
--/--	--	--:--	--:--	--
--/--	--	--:--	--:--	--
--/--	--	--:--	--:--	--

< > :SELECT				
OK :ENTER INFO:EXIT				

DATE	PR	START	STOP	SP*
01/02	02	19:30	20:15	SP*
--/--	--	--:--	--:--	--
--/--	--	--:--	--:--	--
--/--	--	--:--	--:--	--
--/--	--	--:--	--:--	--

< > :SELECT				
OK :ENTER INFO:EXIT				

Clearing programmed recording data

- 1 If recording standby is activated, press the »**TIMER ON/OFF**« button.
- 2 Press the »« button.
–The video recorder is switched on.
- 3 Press the »**i INFO**« button to display the main menu.
- 4 Activate the »TIMER« line with the »**OK**« button.
– The »TIMER« table appears on the picture screen.
- 5 Select the TIMER position to be cleared using the »« or »« button then clear it with the »**CLEAR**« button.
- 6 Press the »**i INFO**« button to exit the »TIMER« table.
- 7 If several TIMER positions are programmed, press the »**TIMER ON/OFF**« button to switch the recorder to recording standby.
– The time is displayed on the recorder and the TIMER indicator »« is lit.
The video recorder is in recording standby mode.

Interrupting the recording standby mode of the video recorder

This is necessary if you have programmed TIMER positions and wish to use the recorder while it is in recording standby mode.

- 1 Press the » **TIMER ON/OFF** « button.
- 2 Press the » ▽ « button to switch the recorder on.
- 3 Carry out the desired function.

Re-activating the recording standby mode of the video recorder

- 1 Insert a cassette with sufficient playing time and intact erase tab then press the » **TIMER ON/OFF** « button.
 - The time is displayed on the recorder and the TIMER indicator » □ « is lit. The video recorder is in recording standby mode.

SPECIAL SETTINGS

Re-sorting TV channels

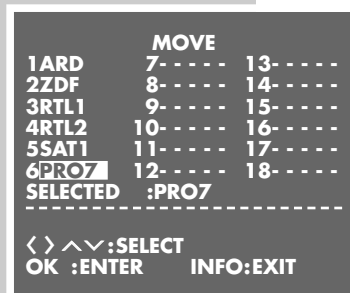
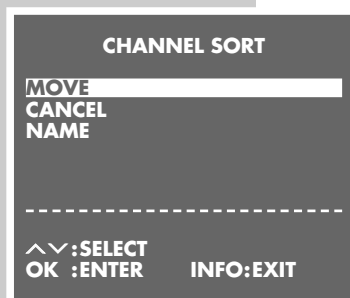
Preparation

Switch the TV set on.

Select the »AV« programme position for video playback on the TV set.

Setting

- 1 Call up the main menu with the »**i** INFO« button.
– The »MENU« table appears on the picture screen.
- 2 Select the »INSTALLATION« line using the » Δ « or » ∇ « button then activate it with the »**OK**« button.
– The »INSTALLATION« table appears on the picture screen.
- 3 Select the »CHANNEL SORT« line using the » Δ « or » ∇ « button then activate it with the »**OK**« button.
– The »CHANNEL SORT« table appears on the picture screen.
- 4 Activate the »MOVE« line with the »**OK**« button.
– The station table appears on the picture screen.
- 5 Use the » Δ ∇ $\leftarrow$ $\rightarrow$ « buttons to select the channel to be moved then mark it with the »**OK**« button.
- 6 Select the programme position to be exchanged with the marked position using the » Δ ∇ $\leftarrow$ $\rightarrow$ « buttons then confirm with the »**OK**« button.
To re-sort further programme positions, repeat the steps 5 and 6
- 7 Press the »**i** INFO« button to end the setting.



Clearing TV channels from the station table

Preparation

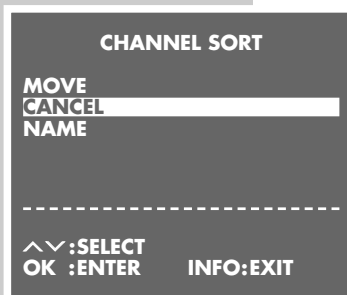
Switch the TV set on.

Select the »AV« programme position for video playback on the TV set.

Setting

- 1 Call up the main menu with the »**i** INFO« button.
– The »MENU« table appears on the picture screen.
- 2 Select the »INSTALLATION« line using the » Δ « or » ∇ « button then activate it with the »**OK**« button.
– The »INSTALLATION« table appears on the picture screen.
- 3 Select the »CHANNEL SORT« line using the » Δ « or » ∇ « button then activate it with the »**OK**« button.
– The »CHANNEL SORT« table appears on the picture screen.

SPECIAL SETTINGS



- 4 Select the » CANCEL« line using the » « or » « button then activate it with the » **OK** « button.
 - The station table appears on the picture screen.
- 5 Select the channel to be cleared using the » « buttons then clear it with the » **CLEAR** « button.
- 6 To clear further channels, repeat the step 5.
- 7 Press the » **i INFO** « button to end the setting.

Changing or entering station names

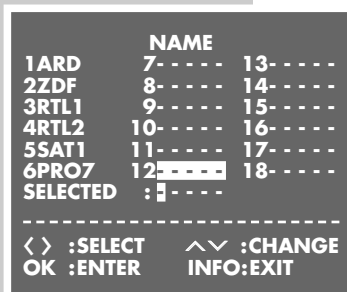
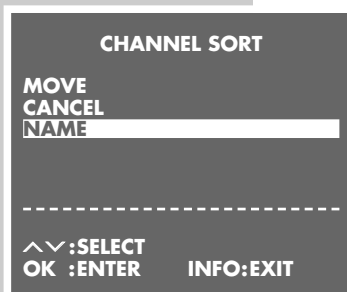
Preparation

Switch the TV set on.

Select the »AV« programme position for video playback on the TV set.

Setting

- 1 Call up the main menu with the » **i INFO** « button.
 - The »MENU« table appears on the picture screen.
- 2 Select the » INSTALLATION « line using the » « or » « button then activate it with the » **OK** « button.
 - The »INSTALLATION« table appears on the picture screen.
- 3 Select the » CHANNEL SORT « line using the » « or » « button then activate it with the » **OK** « button.
 - The »CHANNEL SORT« table appears on the picture screen.
- 4 Select the » NAME « line using the » « or » « button then activate it with the » **OK** « button.
 - The station table appears on the picture screen.
- 5 Use the » « buttons to select the channel for which you wish to enter a name then confirm with the » **OK** « button.
 - The first position of the name is marked.
- 6 Use the » « or » « button to enter the desired character, use the » « or » « button to select the next position, then repeat these steps for the remaining positions (max. 5 positions). Store the setting with the » **OK** « button.
- 7 To assign further names repeat the steps 5 and 6.
- 8 Press the » **i INFO** « button to end the setting.



Manual channel programming

If you know the channel/special channel numbers of the TV stations you wish to programme, or if the recorder could not find a TV station with the help of the automatic tuning system, you can programme the channels manually.

Preparation

Switch the TV set on.

Select the »AV« programme position for video playback on the TV set.

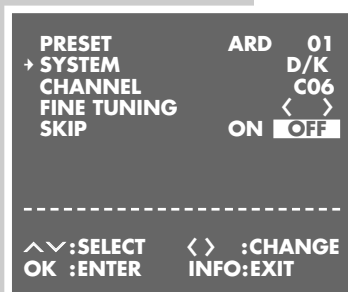
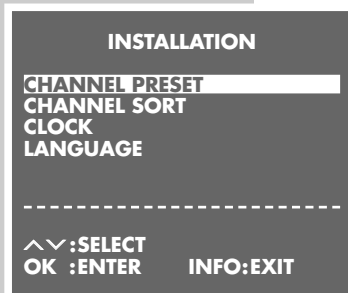
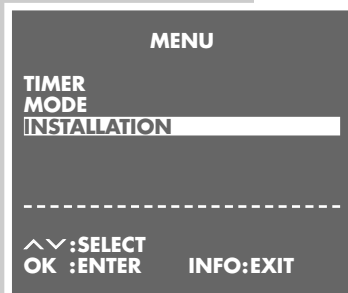
Setting

- 1 Call up the main menu with the »**i** INFO« button.
- 2 Select the »INSTALLATION« line using the »**△**« or »**▽**« button then activate it with the »**OK**« button.
- 3 Activate the »CHANNEL PRESET« line with the »**OK**« button.
 - The table for channel programming appears on the picture screen.
 - The »PRESET« line is marked.
- 4 Use the »**◀**« or »**▶**« button to select the programme position on which the new TV channel is to be stored.

Note:

The current TV programme appears in the background of the station table. If this disturbs you, press the »**DUB**« button to get a blue background instead of the TV picture.

- 5 Select the »SYSTEM« line using the »**△**« or »**▽**« button then select the TV system required: »B/G« with the »**◀**«, »D/K« with the »**▶**« button.
- 6 Select the »CHANNEL« line using the »**△**« or »**▽**« button.
- 7 Select the desired channel using the »**◀**« or »**▶**« button.
- 8 If finetuning is required, select the »FINETUNING« line with the »**△**« or »**▽**« button then use the »**◀**« or »**▶**« button for finetuning.
- 9 Select the »SKIP« line using the »**△**« or »**▽**« button then use the »**▶**« button to select »OFF«.
- 10 Store the setting for this programme position with the »**OK**« button.
 - To programme further channels, select the »PRESET« line using the »**△**« or »**▽**« button then repeat the steps 4 to 10.
- 11 Press the »**i** INFO« button to end the setting.



Skipping TV channels

Use this function if you wish to skip one or more programme positions when selecting these step by step with the »« or »« button.

Preparation

Switch the TV set on.

Select the »AV« programme position for video playback on the TV set.

Setting

- 1 Call up the main menu with the »**i INFO**« button.
- 2 Select the »INSTALLATION« line using the »« or »« button then activate it with the »**OK**« button.
- 3 Activate the »CHANNEL PRESET« line with the »**OK**« button.
 - The table for channel programming appears on the picture screen.
 - The »PRESET« line is marked.
- 4 Use the »« or »« button to select the programme position which is to be skipped.
- 5 Select the »SKIP« line with the »« or »« button.
- 6 Select »ON« with the »« or »« button.
- 7 Store the setting for this programme position with the »**OK**« button.
- 8 Press the »**i INFO**« button to end the setting.

Note:

To make the programme positions available again, repeat the above steps but select »OFF« in step 6 using the »« button.

→ PRESET ARD 01
SYSTEM B/G D/K
CHANNEL C06
FINE TUNING < >
SKIP ON OFF

^v:SELECT < > :CHANGE
OK :ENTER INFO:EXIT

PRESET ARD 01
SYSTEM B/G D/K
CHANNEL C06
FINE TUNING < >
→ SKIP ON OFF

^v:SELECT < > :CHANGE
OK :ENTER INFO:EXIT

SETTING THE TIME AND DATE

The digital clock of the recorder continues running for approximately 1 hour even when the recorder is disconnected from the mains.
However, the time is not visible in the display

Automatic updating

If a TV channel which has Teletext is set on programme position 1 of the recorder, the recorder updates automatically its internal clock.

This updating is regularly carried out every Sunday between 3 and 6 hours a.m. This also means that the recorder will recognize the change from summer to winter time.

For updating the time and date, switch the video recorder off using the »« button (standby mode).

Manual setting

Preparation

Switch the TV set on.

Select the »AV« programme position for video playback on the TV set.

Switch the video recorder on using the »« button.

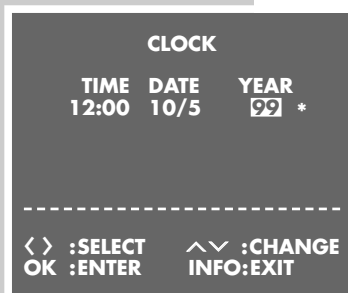
Setting

- 1 Call up the main menu with the »**i INFO**« button.
- 2 Select the »INSTALLATION« line using the »« or »« button then activate it using the »**OK**« button.
- 3 Select the »CLOCK« line with the »« or »« button then activate it with the »**OK**« button.
– The »CLOCK« table appears on the picture screen, the »TIME« item is marked.
- 4 Use the »« or »« button to enter the hours, then press the »« button and enter the minutes with the »« or »« button.
- 5 Select »DATE« with the »« button, enter the day with the »« or »« button, then press the »« button and enter the month with the »« or »« button.
- 6 Select »YEAR« with the »« button then enter the year with the »« or »« button.

Note:

– The »*« sign signals automatic updating of the clock. To switch this function off, select the »*« sign with the »« button then use the »« or »« button to switch it off.

- 7 Store the setting with the »**OK**« button.



SPECIAL FUNCTIONS

The functions "On-screen display on/off", "Activating the automatic switch-off function", "NTSC playback", "Child lock", "Selecting the video recorder's control address", and "Selecting the sound system" can be selected in the »MODE« menu.

Selecting the »MODE« menu

- 1 Switch the TV set on.
- 2 Select the »AV« programme position for video playback on the TV set.
- 3 Switch the video recorder on using the »▽« button.
- 4 Press »i INFO« to display the main menu.
– The »MENU« table appears on the picture screen.
- 5 Select the »MODE« line using the »△« or »▽« button then activate it using the »OK« button.
– The »MODE« table appears on the picture screen.
- 6 Select the desired function from the »MODE« menu. For more information, see the following chapters beginning with step 1 each.

MODE	
→ OSD-MODE	AUTO OFF
OFF POWER	OFF 2HR 6HR
NTSC PB	PAL-TV NTSC443
CHILD LOCK	ON OFF
VCR NO.	1 2
RF-SYSTEM	B/G D/K

^v:SELECT	<>:CHANGE
OK:ENTER	INFO:EXIT

MODE	
→ OSD-MODE	AUTO OFF
OFF POWER	OFF 2HR 6HR
NTSC PB	PAL-TV NTSC443
CHILD LOCK	ON OFF
VCR NO.	1 2
RF-SYSTEM	B/G D/K

^v:SELECT	<>:CHANGE
OK:ENTER	INFO:EXIT

MODE	
OSD-MODE	AUTO OFF
→ OFF POWER	OFF 2HR 6HR
NTSC PB	PAL-TV NTSC443
CHILD LOCK	ON OFF
VCR NO.	1 2
RF-SYSTEM	B/G D/K

^v:SELECT	<>:CHANGE
OK:ENTER	INFO:EXIT

MODE	
OSD-MODE	AUTO OFF
OFF POWER	OFF 2HR 6HR
→ NTSC PB	PAL-TV NTSC443
CHILD LOCK	ON OFF
VCR NO.	1 2
RF-SYSTEM	B/G D/K

^v:SELECT	<>:CHANGE
OK:ENTER	INFO:EXIT

On-screen display on/off (OSD – On Screen Display)

- 1 Select the »OSD MODE« line with the »△« or »▽« button.
- 2 Select »OFF« with the »⏮« button or »AUTO« with the »⏭« button then confirm with the »OK« button.

Activating the automatic switch-off function

If this function is activated, the video recorder switches off automatically after 2 or 6 hours.

- 1 Select »OFF POWER« with the »△« or »▽« button.
- 2 Select »OFF«, »2 HR« or »6 HR« with the »⏮« or »⏭« button then confirm with the »OK« button.

NTSC playback

With this function you select the colour norm for playback via a TV set connected to the » EURO-AV 1« socket. Select the PAL-TV setting for a PAL TV set and the NTSC 443 setting for a multinorm TV set.

- 1 Select the »NTSC PB« line with the »△« or »▽« button.
- 2 Select »PAL-TV« with the »⏮« button, or »NTSC 443 (= multinorm)« with the »⏭« button then confirm with the »OK« button.

Child lock

The child lock allows you to lock all functions of the video recorder.

- 1 Select the »LOCK« line with the »« or »« button.
- 2 Select »ON« with the »« button then confirm with the »**OK**« button.
– The picture screen of the TV set turns blue.
- 3 To de-activate the child lock, repeat the setting but select »OFF« in step 2 using the »« button.

```

MODE
OSD-MODE  AUTO OFF
OFF POWER  OFF 2HR 6HR
NTSC PB    PAL-TV NTSC443
→ CHILD LOCK  ON  OFF
VCR NO.     1  2
RF-SYSTEM   B/G D/K

-----
^v:SELECT  <>:CHANGE
OK :ENTER  INFO:EXIT
    
```

Selecting the video recorder's control address

Your remote control can be used to operate different GRUNDIG video recorders independently of one another.

Ask your specialized dealer which GRUNDIG video recorders are suited. To ensure that the two video recorders do not disturb each other, the control address of the GV 29 must be changed.

- 1 Select the »VCR NO.« line with the »« or »« button.
- 2 Select »2« with the »« button (or »1« with the »« button) then confirm with the »**OK**« button.
– When selecting 2, the GV 29 is set to the remote control address 2. In order to control the GV 29 you now must press and hold down the »**VIDEO 2**« button while pressing the desired function button.

```

MODE
OSD-MODE  AUTO OFF
OFF POWER  OFF 2HR 6HR
NTSC PB    PAL-TV NTSC443
→ CHILD LOCK  ON  OFF
VCR NO.     1  2
RF-SYSTEM   B/G D/K

-----
^v:SELECT  <>:CHANGE
OK :ENTER  INFO:EXIT
    
```

Selecting the sound system

With this function you select the sound system for adjusting the video recorder to the TV set.

- 1 Select the »RF-SYSTEM« line using the »« or »« button.
- 2 Select »B/G« with the »« button or »D/K« with the »« button then confirm with the »**OK**« button.

```

MODE
OSD-MODE  AUTO OFF
OFF POWER  OFF 2HR 6HR
NTSC PB    PAL-TV NTSC443
→ CHILD LOCK  ON  OFF
VCR NO.     1  2
RF-SYSTEM   B/G D/K

-----
^v:SELECT  <>:CHANGE
OK :ENTER  INFO:EXIT
    
```

REMOTE CONTROL OF TV SETS

With the video remote control you can also control GRUNDIG colour TV sets. The functions that can actually be operated depend, of course, on the technical features of your GRUNDIG TV set.

Note:

Point the remote control at the TV set.



TV

Switches the remote control to TV control mode. Press and hold down the »TV« button while pressing the desired function button.



Switches the TV set to standby.

1 ... 0

Direct channel selection, »0« selects the »AV« programme positions. In Teletext mode: entry of a three-digit page number.

SV

Switches the display between programme position, channel number and special channel number.

i INFO

Displays the „DIALOG CENTER“ and switches in menu mode.



Volume control: »-« down, »+« up. When in a menu: »-« cursor to the left, »+« cursor to the right.



Channel selection: »+« up, »-« down. When in a menu: »+« cursor up, »-« cursor down.

OK

Activates and changes functions, calls up, confirms and stores data.

SP/LP

Switches between teletext mode and TV mode.

CLEAR

Sound on/off (mute function).

MONITOR

Displays the "Picture settings" menu. In Teletext mode: previous page.

AUDIO

In Teletext mode: next page.

INDEX

In Teletext mode: next chapter.

DUB

Displays the "Sound settings" menu. In Teletext mode: next topic.

FIXING FAULTS YOURSELF

Not all picture and sound faults mean that there is a defect in your recorder. Disturbed reception can also be caused by a cable which is accidentally pulled out, a defect in the TV set, or failure of the transmitter or the TV aerial system.

Fault	Cause	Remedy
No time indication on the recorder/the cassette is not pulled in.	Mains plug disconnected or poor contact.	Insert the mains plug or use a different mains supply socket.
» -- --« appears on the video recorder instead of the time.	Time and date not set on the video recorder.	Set time and date.
Recording of TV programmes not possible (only snow on the picture screen).	Aerial cable not connected.	Connect the aerial cable.
	Channel to be recorded is not tuned in on the recorder.	Tune to channel.
	Failure of the TV transmitter, or defective aerial system.	Check by selecting the channel to be recorded on the TV set, or ask your neighbour if s/he can receive this channel.
Recording not possible.	The cassette is protected against new recording (tab removed).	Cover the opening at the back of the cassette with adhesive tape.
TIMER recording was not	For VPS/PDC-programmed recordings, the VPS/PDC time was entered incorrectly.	
	After an interruption of the recording standby mode, the » TIMER ON/OFF « button has not been pressed.	
Poor picture quality during playback.	The TV set is not correctly adjusted to the video recorder.	Correctly adjust the TV set to the video recorder (see page 11).
	Incorrect track adjustment.	During playback, adjust the picture to suit your taste with the »  « or »  « button
	The video heads are worn.	Contact your specialized dealer.
Operation with the remote control is not possible.	The batteries in the remote control are exhausted.	Insert new batteries
	The remote control is not pointed at the recorder.	Point the remote control at the video recorder.

TECHNICAL DATA

This video recorder complies with the VDE 0860 safety regulation and consequently also with the international safety specifications IEC 65 and CEE 1. This device complies with the requirements of the guidelines 89/336/ECC and 73/23/ECC.

TV standard:	CCIR, PAL B/G, 625 lines CCIR, PAL D/K, 625 lines CCIR, MESEC B/G, 625 lines CCIR, MESEC D/K, 625 lines
System:	VHS
Mains voltage:	220 – 240 V, 50 Hz
Weight:	approx. 3.3 kg
Power consumption	
– when recording:	approx. 15 W
– in standby:	≤ 6.0 W
– in energy-saver mode:	≤ 2.0 W
Operating position:	horizontal
Ambient temperature:	+5°C to +40°C
Relative humidity:	up to 80%
Fast rewind time:	with E 180 cassette typically 100 seconds
1 Euro-AV socket:	21-pin (DIN/EN 50049)
Aerial input socket:	coaxial B, 75 Ω input (DIN 45325)
Aerial output socket:	coaxial S, 75 Ω output

HELP IN THE CASE OF A DEFECT

GRUNDIG After-Sales Points

	GRUNDIG Kundendienst Nord Kolumbusstraße 14 D-22113 Hamburg +49/40-7 33 31-0	GRUNDIG Kundendienst Mitte Dudenstraße 45-53 D-68167 Mannheim +49/6 21-33-76-70	GRUNDIG Kundendienst Süd Beuthener Straße 65 D-90471 Nürnberg +49/9 11-7 03-0
		GRUNDIG Kundendienst West Horbeller Straße 19 D-50858 Köln +49/22 34-95 81-2 51	GRUNDIG Kundendienst Ost Wittestraße 30e D-13509 Berlin +49/30-4 38 03-21
		GRUNDIG BELUX N.V. Deltapark, Weihoek 3, Unit 3G B-1930 Zaventem +32/2-7 16 04 00	GRUNDIG NORGE A.S. Glynitveien 25, Postboks 234 N-1401 Ski +47/64 87 82 00
		GRUNDIG UK LTD. Elstree Way, Borehamwood, Herts, WD6 1RX GB Großbritannien/Great Britain +44/1 81-3 24 94 00	GRUNDIG DANMARK A/S Lejrvej 19 DK-3500 Værløse +45/44 48 68 22
		Technical Service Unit 35, Woodside Park, Wood Street Rugby, Warwickshire, CV21 2NP Großbritannien/Great Britain +44/1 78-8 57 00 88	GRUNDIG OY Luoteisrinne 5 SF-02271 Espoo +3 58/9-8 04 39 00
		GRUNDIG IRELAND LTD. 2 Waverley Office Park, Old Naas Road EIR Dublin 12 +3 53/1-4 50 97 17	GRUNDIG SVENSKA AB Albygatan 109 d, Box 4050 S-17104 Solna +46/8-6 29 85 30
		GRUNDIG FRANCE S.A. 5 Boulevard Marcel Pourtout F-92563 Rueil Malmaison Cedex +33/1-41 39 26 26	GRUNDIG POLSKA SP.Z.O.O. Ul. Czystałowska 140 PL-62800 Kalisz +48/62-7 66 77 70
		GRUNDIG SCHWEIZ AG Steinacker Straße 28 CH-8302 Kloten +41/1-8 15 81 11	GRUNDIG AUSTRIA Ges.m.b.H. Breitenfurter Straße 43-45 A-1120 Wien +43/1-81 11 70
		GRUNDIG PORTUGUESA Comércio de Artigos Electrónicos, Lda. Rua Bento de Jesus Caraça 17 P-1495 Cruz Quebrada, Lisboa +3 51/1-4 19 75 70	GRUNDIG NEDERLAND B.V. Gebouw Amstelveste Joan Muyskenweg 22 NL-1096 CJ Amsterdam +31/20-5 68 15 68
		GRUNDIG ESPAÑA S.A. Solsonés, 2 planta baja B3 Edificio Muntadas (Mas Blau) E-08820 El Prat De Llobregat (Barcelona) +34/93-4 79 92 00	GRUNDIG ITALIANA S.P.A. Via G.B. Trener, 8 I-38100 Trento +39/4 61-89 31 11

